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SEARCH REQUEST FORM

Date: 30 May 02 Requester's Full Name: _____ Examiner #: S. DEVI

Art Unit: 1645 Phone (308) 9347 Serial Number: 09/868,243

Results Format Preferred (circle): PAPER DISK E-MAIL

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: _____

Inventors (please provide full names): See enclosed sheet.

Earliest Priority Date: 12-18-98

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the selected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known.

"For Sequence Searches Only" Please include all pertinent information (parent, grandchild, divisional, or issued patent numbers) along with appropriate serial number.

Please ask MS. BEVERLY SHEARS to perform this search.

Please see attached claims with key words highlighted and/or Examples and synonyms provided.

Please include the following databases: Embase, Medline, Biosis, CA (Dialog 50), JAPIO, JICTEplus, Dialog 35, 65, 77, 144, 256, 266, 440, 348, 357, 113, 129, 130, 156 and 60.

Please perform an inventor's name search.

Point of Contact:
Beverly Shears
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Thank you. ☺

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Please return the attached claims and this search request form along with the search reports.

= colonization factor antigen

Claims (ETEC)

Subcomponent antigen

1. Oral vaccine composition against enterotoxigenic *E. coli* caused diarrhea in humans, which comprises a defined amount of at least three different types of colonization factor antigens (CFAs) selected from the group consisting of CFA I, CFA II (CS 1, CS2 and CS3) and CFA IV (CS4, CS5 and CS6), on killed *E. coli* bacteria lacking the gene encoding the heat labile (LT) enterotoxin, together with a defined amount of the B-subunit of cholera toxin (CTB), and an vehicle, which vaccine composition is purified from possible heat stable enterotoxin (ST).
2. Oral vaccine according to claim 1, wherein the defined amount of different types of CFAs is for each type of CFA at least 100 μ g, and the defined amount of CTB is at least 0.5 mg, and the vehicle is a physiologically acceptable buffer solution.
3. Oral vaccine according to claim 2, wherein the defined amount of different types of CFAs is for each type of CFA 100 to 300 μ g, and the defined amount of CTB is 0.5 to 2.0 mg.
4. Oral vaccine according to claim 3, wherein the defined amount of different types of CFAs are 200 μ g of CFA/I, 200 μ g of CS1, 150 μ g of CS2, 200 μ g of CS4 and 150 μ g of CS5, and 1.0 mg of CTB, and the physiologically acceptable buffer solution is phosphate buffered saline solution.

Inventors: NILS CARLIN
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